

<b>Declaration and Power of Attorney for Patent Application English Language Declaration</b>	Attorney Docket No.	811 001
	First Named Inventor	Yuji KATSUDA
	COMPLETE IF KNOWN	
	Application Number	
	Filing Date	October 18, 2001
<input type="checkbox"/> Declaration Submitted with Initial Filing <input checked="" type="checkbox"/> Declaration Submitted After Initial Filing (surcharge (37 CFR 1.16(e) required)	Group Art Unit	

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

**A MATERIAL OF LOW VOLUME RESISTIVITY, AN ALUMINUM NITRIDE SINTERED BODY AND A METHOD USED FOR THE PRODUCTION OF SEMICONDUCTORS**

the specification of which (check one)

- ☐ is attached hereto.  
☒ was filed on October 18, 2001 as United States Application No. \_\_\_\_\_  
☐ was described and claimed in PCT International Application Number \_\_\_\_\_ filed on \_\_\_\_\_ and as amended under PCT Article 19 on \_\_\_\_\_ (if any).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or Section 365(b) of any foreign application(s) for patent or inventor's certificate, or Section 365(a) of any PCT International Application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate or PCT International Application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Not Claimed

<u>2000-322,615</u> (Number)	<u>JP</u> (Country)	<u>23 October 2000</u> (Day/Month/Year Filed)	<input type="checkbox"/>
<u>2001-173,088</u> (Number)	<u>JP</u> (Country)	<u>7 June 2001</u> (Day/Month/Year Filed)	<input type="checkbox"/>
<u>2001-267,588</u> (Number)	<u>JP</u> (Country)	<u>4 September 2001</u> (Day/Month/Year Filed)	<input type="checkbox"/>
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/>

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I hereby claim the benefit under 35 U.S.C. Section 119(e) of any United States Provisional Application(s) listed below:

<u>60/297,224</u>	<u>June 8, 2001</u>
(Application Serial No.)	(Filing Date)
<u>                    </u>	<u>                    </u>
(Application Serial No.)	(Filing Date)
<u>                    </u>	<u>                    </u>
(Application Serial No.)	(Filing Date)

I hereby claim the benefit under 35 U.S.C. Section 120 of any United States Application(s), or Section 365(c) of any PCT International Application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International Application in the manner provided by the first paragraph of 35 U.S.C. Section 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, C.F.R. Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

<u>                    </u>	<u>                    </u>	<u>                    </u>
(Application Serial No.)	(Filing Date)	(Status)
		(patented, pending, abandoned)
<u>                    </u>	<u>                    </u>	<u>                    </u>
(Application Serial No.)	(Filing Date)	(Status)
		(patented, pending, abandoned)
<u>                    </u>	<u>                    </u>	<u>                    </u>
(Application Serial No.)	(Filing Date)	(Status)
		(patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.  
(List names and Registration Number)

Stephen P. Burr, Reg. No. 32,970  
Kevin C. Brown, Reg. No. 32,402

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Full name of sole or first inventor

Yuji KATSUDA

Sole or first inventor's signature

*Yuji Katsuda*

Date

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Citizenship

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Full name of fifth inventor, if any

Fifth inventor's signature

Date

Residence

Citizenship

Post Office Address

Full name of sixth inventor, if any

Sixth inventor's signature

Date

Residence

Citizenship

Post Office Address

## RECORDATION FORM COVER SHEET

U.S. Department of Commerce  
U.S. Patent and Trademark Office

## PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents on hand thereof.

## 1. Name of conveying party(ies)

Yuji KATSUDA, Jun YOSHIKAWA, Masaaki  
MASUDA and Chikashi IHARAAdditional name(s) of conveying parties attached ☒ No

## 2. Name and address of receiving party(ies):

Name: NGK Insulators, Ltd.

Address: 2-56, Suda-Cho, Mizuho-Ku  
Nagoya, Aichi-Prefecture 467-8530  
Japan

## 3. Nature of Conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ OtherExecution Date November 7, 2001Additional name(s) attached? ☒ No

## 4. Application number(s) or patent number(s)

If this document is being filed together with a NEW APPLICATION, the execution date of this application is \_\_\_\_\_

A. Patent Application No.(s)  
09/982,484 filed October 18, 2001

B. Patent No.(s)

Additional Numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning this document should be mailed:

Name: Stephen P. Burr

Address: BURR & BROWN  
P.O. Box 7068  
Syracuse, NY 13261-7068  
Telephone: (315) 233-8300  
Facsimile: (315) 233-83206. Total number of application and patents involved: 1

## 7. Total fee (37 CFR 3.41) \$40.00

☒ Enclosed  
☒ Authorized to charge any deficiency or credit any over  
payment to Deposit Account No. 50-1446.

## 8. Charge Deposit account

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## 9. Statement and Signature:

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

  
Stephen P. Burr  
Reg. No. 32,970November 29, 2001  
Date

Total Number of Pages Comprising Cover Sheet 3

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks  
Box Assignments  
Washington, D.C. 20231

COPY

## ASSIGNMENT

(1-4) Insert Name(s) of Inventor(s)

- (1) Yuji KATSUDA (3) Masaaki MASUDA  
(2) Jun YOSHIKAWA (4) Chikashi IHARA

In consideration of the sum of dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(5) Insert name of Assignee

- (5) NGK Insulators, Ltd.

(6) Insert address of Assignee

- (6) 2-56, Suda-Cho, Mizuho-Ku  
Nagoya, Aichi-Prefecture 467-8530  
Japan

(hereinafter designated as the Assignee) the entire right, title and interest for the United States, its territories, dependencies and possessions, in the invention, and all applications for patent and any Letters Patent which may be granted therefor, known as

(7) Insert Identification of Invention, such as Title, Case Number or Foreign Application Number

- (7) A MATERIAL OF LOW VOLUME RESISTIVITY, AN ALUMINUM  
NITRIDE SINTERED BODY AND A METHOD USED FOR THE  
PRODUCTION OF SEMICONDUCTORS  
(Case No. 811 001 (FNGK0101-US))

for which the undersigned have executed an application for patent in the United States of America

(8) Insert Date of Signing of Application

- (8) on \_\_\_\_\_

(9) Alternative identification

- (9) U.S. Application Serial Number \_\_\_\_\_  
filed October 18, 2001

1) The undersigned agree(s) to execute all papers necessary in connection with the application and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

6) The undersigned hereby grant(s) Stephen P. Burr, of BURR & BROWN the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date Nov. 02, 2001 Signature Yuji Katsuda (SEAL)  
Yuji KATSUDA

Date Nov. 7, 2001 Witness Kiyotomi Matubara

Date Nov. 7, 2001 Witness Tsudekazu Hamiya

Date Nov. 02, 2001 Signature Jun Yoshikawa (SEAL)  
Jun YOSHIKAWA

Date Nov. 7, 2001 Witness Kiyotomi Matubara

Date Nov. 7, 2001 Witness Tsudekazu Hamiya

Date Nov. 05, 2001 Signature Masaaki Masuda (SEAL)  
Masaaki MASUDA

Date Nov. 7, 2001 Witness Kiyotomi Matubara

Date Nov. 7, 2001 Witness Tsudekazu Hamiya  
H. K.

Date Nov. 07, 2001 Signature Chikashi Ihara (SEAL)  
Chikashi IHARA

Date Nov. 7, 2001 Witness Kiyotomi Matubara

Date Nov. 7, 2001 Witness Tsudekazu Hamiya